Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL				
FORM	Firs			
used for all correspondence after initial filing)	Gro			

Application Number	09/912,818				
Filing Date	July 24, 2001				
First Named Inventor	Daniel Pinkel				
Group Art Unit	1637				
Examiner Name	J. Fredman				
Attorney Docket Number	407E-914026US				

Total Number o	f Pages in This Subm	ission	13	Attorney Docke	t Numbe	r	40/E-91402003
ENCLOSURES (check all that apply)							
Fee Transm	ittal Form		Assignm (for an A	nent Papers Application)			After Allowance Communication to Group
Fee A	Attached		Drawing	(s)			Appeal Communication to Board of Appeals and Interferences
X Amendmen	t / Response		Licensin	g-related Papers			Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
Afte	r Final		Petition and Acc	Routing Slip (PTO ompanying Petition	/SB/69) n		Proprietary Information
Affic	davits/declaration(s)			to Convert to a nal Application			Status Letter
Extension o	of Time Request		Power o Change Address	f Attorney, Revoca of Correspondence	ation e	X	Additional Enclosure(s) (please identify below):
Express Ab	andonment Request			l Disclaimer			receipt acknowledgment postcard
Information	Disclosure Statement			ntity Statement t for Refund			•
Document(	opy of Priority s) to Missing Parts/ Application	Please this pa	ization to charge D per or dur	Charge Deposit	. 50-0893 of this appl	ication	y additional fees associated with n, including any extensions of time
Part	ponse to Missing s under 37 CFR or 1.53	Re	marķs				
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT							
Firm or Individual name	Emily M. Halida	y, Reg.	No. 38,	903, Quine Intel	lectual P	roper	ty Law Group, P.C.
Signature	Em 1 /n	2 /al	:				· · · · · · · · · · · · · · · · · · ·
Date	July/22, 2004						
CERTIFICATE OF MAILING							
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient							

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Poorage 20 4		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Typed or printed name	Amelia Weintraub		
Signature	Helingrands	Date	July 22, 2004

IIIL 2 6 2004

hereby certify that this correspondence is being deposited with the United States Postal Service first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

QUINE INTELLECTUAL PROPERTY LAW GROUP, P.C.

By: fullentrants

Atty Docket No: 407E-914026US

Client Ref: 92-005-C

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Daniel J. Pinkel; Joe W. Gray; Anne

Kallioniemi; Olli-Pekka Kallioniemi; Frederic

Waldman

Application No.: 09/912,818

Filed: 7/24/2001

For: Detection of Chromosomal

**Abnormalities Associated with Breast Cancer** 

Examiner: Fredman, J.

Art Unit: 1655

AMENDMENT/RESPONSE

Commissioner for Patents P.O. Box 1450, Alexandria, VA 22313-1450

## **INTRODUCTORY COMMENTS**

Dear Sir:

In response to the Final Office Action dated April 22, 2004, Applicants respectfully request reconsideration of the above-identified application in view of the following remarks.

Please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims that begins on page 2 of this paper.

Remarks/Arguments begin on page 10 of this paper.